

WHAT IS CLAIMED IS:

1. A liquid crystal display device comprising: a first substrate; a second substrate; a liquid crystal layer sandwiched by the first and second substrates; and wall structures formed on a surface of the first substrate facing the liquid crystal layer for dividing the liquid crystal layer into a plurality of liquid crystal regions,

wherein liquid crystal molecules in the plurality of liquid crystal regions are aligned axially symmetrically with respect to an axis vertical to a surface of the first substrate, the liquid crystal regions have a shape of a polygon having dulled corners, and the alignment direction of the liquid crystal molecules in the liquid crystal regions with respect to side faces of the wall structures in the corners changes continuously.

2. The device of Claim 1, wherein the shape of the dulled corners is a curve.

3. The device of Claim 1, wherein the shape of the dulled corners is a curve having a radius of curvature  $R$ , and the radius of curvature  $R$  has a relationship of  $R > l_m$  wherein  $l_m$  denotes a molecule length of the liquid crystal molecules.

4. The device of Claim 3, wherein the radius of curvature  $R$  of the curve constituting the shape of the dulled corners has a relationship of  $R \leq R'$  wherein  $R'$  denotes a radius of a circle circumscribing the polygon of the liquid crystal

region.

5. The device of Claim 1, wherein the wall structures are formed of a negative photosensitive resin.

6. The device of Claim 1, wherein the liquid crystal molecules in the liquid crystal regions are aligned vertical to side faces of the wall structures.

7. A method for fabricating a liquid crystal display device including: a first substrate; a second substrate; a liquid crystal layer sandwiched by the first and second substrates; and wall structures formed on a surface of the first substrate facing the liquid crystal layer for dividing the liquid crystal layer into a plurality of liquid crystal regions, the method comprising the steps of:

forming a negative photosensitive resin layer on the first substrate;

subjecting the negative photosensitive resin layer to excessive light exposure via a mask having polygonal light-shading portions; and

developing the exposed negative photosensitive resin layer, to form the wall structures that surround regions having a shape of the polygon of the light shading portions where corners of the polygon are dulled.